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WIP6/57(PGT)A

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Rec'd TIPTO

(PCT Article 36 and Rule 70)

			MAR 04 MAR	2000	
Applicant	_	nt's file reference	FOR FURTHER ACTIO	See Notification	on of Transmittal of International camination Report (Form PCT/IPEA/416)
International application No. International filing date PCT/NO 02/00318 10.09.2002			International filing date (day)	nonth/year)	Priority date (day/month/year) 10.09.2002
Internatio H04B1/		nt Classification (IPC) or t	ooth national classification and I	PC	
Applicant TELEF		TIEBOLAGET LM EF	RICSSON (publ) et al.		
1. Th	nis interruthority	national preliminary exa and is transmitted to th	amination report has been pr e applicant according to Arti	epared by this Intelle 36.	ernational Preliminary Examining
2. Th	nis REP	ORT consists of a total	of 5 sheets, including this of	over sheet.	
⊠	hee	n amonded and are the	anied by ANNEXES, i.e. she basis for this report and/or on 607 of the Administrative	sheets containing	tion, claims and/or drawings which have rectifications made before this Authority the PCT).
TH	nese an	nexes consist of a total	of 2 sheets.		
3. TI		rt contains indications	relating to the following items	»:	
1		Basis of the opinion			
11	_	Priority	for the language of the manufacture of the manufact	It. inventive stan	and industrial applicability
11			f opinion with regard to nove	ity, inventive step	and industrial applicability
\ \ \	_	Lack of unity of inver Reasoned statement citations and explan-		egard to novelty,	inventive step or industrial applicability;
l v	/I 🗆	Certain documents of			<u>.</u>
	/II 🗆	•	e international application		
į.	/III 🗆		on the international applica	tion	
Date of	submiss	ion of the demand		ate of completion of	this report
07.04.	2004		1	0.11.2004	
Name a prelimin	nary exar	ng address of the internati	onal A	uthorized Officer	generation Polances
	31 D	uropean Patent Office -80298 Munich	F	Russo, M	
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NO 02/00318

•	Basis	of the	report
l.	Dagio	01 1110	1 CPC: C

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Desc	cription, Pages		
	1-7		as publis	shed
	Clair	ns, Numbers		
	1-2	iis, Nuilibers	received	on 28.10.2004 with letter of 21.10.2004
	1-2			
	Drav	vings, Sheets		
	1/2-2	2/2	as publis	shed
2.	With lang	regard to the langua uage in which the inte	ge, all the elem rnational applic	ents marked above were available or furnished to this Authority in the ation was filed, unless otherwise indicated under this item.
	The	se elements were avai	ilable or furnish	ed to this Authority in the following language: , which is:
		the language of a tran	nslation furnishe	ed for the purposes of the international search (under Rule 23.1(b)).
		the language of public	cation of the inte	ernational application (under Rule 48.3(b)).
		Rule 55.2 and/or 55.3	3).	ed for the purposes of international preliminary examination (under
3.	With inte	n regard to any nucleo rnational preliminary e	otide and/or an examination was	nino acid sequence disclosed in the international application, the scarried out on the basis of the sequence listing:
		contained in the inter	national applica	ution in written form.
		filed together with the	e international a	pplication in computer readable form.
		furnished subsequent	tly to this Autho	ority in written form.
		furnished subsequen	tly to this Autho	ority in computer readable form.
		in the international ap	pplication as file	furnished written sequence listing does not go beyond the disclosure do has been furnished.
		The statement that the listing has been furni	ne information r ished.	ecorded in computer readable form is identical to the written sequence
4	. The	e amendments have re	esulted in the ca	ancellation of:
		the description,	pages:	
	\boxtimes	the claims,	Nos.:	3-5
		the drawings,	sheets:	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NO 02/00318

5. 🗆	This report has been established as if (some of) the amendments had not been made, since they heen considered to go beyond the disclosure as filed (Rule 70.2(c)).
J. L	been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Inventive step (IS)

Yes: Claims

1-2

No: Claims

Yes: Claims

1-2

1-2

No:

o: Claims

Industrial applicability (IA)

Yes: Claims

No: Claims

2. Citations and explanations

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

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Reference is made to the following documents:

- D1: WHITE PAPER: 'Automatic Protection Switching on the CBX 500 and GX 550 Multoservice WAN Switches' LUCENT TECHNOLOGIES, INC., August 2001 (2001-08), XP002239095
- D2: US-B1-6 294 991 (BENGSTON LEE ET AL) 25 September 2001 (2001-09-25)
- The invention described in independent claim 1 of the present application consists 1. of a system for supervising link fault in a network connection between two nodes, comprising an active and a spare link.
- D1, regarded as being the closest prior art, discloses on pages 1-4 such a a 2. system, comprising the features included in the preamble of claim 1.
- In order to reduce the rate of false alarms and avoid the trap of reporting faults 3. occuring simultaneously on both termination boards with different alarm signal transmission times, the line termination boards are adapted to spontaneously report faults, a link supervision block is adapted to store fault causes and correlate the most recently received ones, and a persistency timer is adapted to supervise the persistence of a correlation result so that a switchover to the non-faulty board is requested only in the case that the correlation result has not disappeared during a persistency timer period.

These features are available to the man skilled in the art from D2, in particular columns 4-6 and abstract. The skilled man is therefore well aware of their effects and possible advantages.

Neither D1 nor any of the documents cited in the International Search Report, 4. though, suggests using another percistency timer to determine the seriousness of the fault before performing the computationally demanding fault correlation. Such percistency check ensures that random fluctuations are not mistaken for faults.

The solution proposed in claim 1 of the present application is therefore considered new and involving an inventive step (Article 33(2) and (3) PCT).

- **EXAMINATION REPORT SEPARATE SHEET**
- Claim 2 is dependent on claim 1 and therefore fulfills as well the requirements of 5. the PCT regarding novelty, inventiveness and inventive activity.
- Attention is drawn to the fact that the description is inconsistent with the claims, in 6. that claim 1 contains features of both embodiment one on page 5 and embodiment two on page 6.